

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-5. (Cancelled)

6. (Currently Amended) ~~The electrode of claim 1 further comprising a metal oxide.~~ An electrode for an electric energy-generating or -storing device, comprising: a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and a metal oxide.

7-11 (Cancelled)

12. (Currently Amended) ~~The A positive electrode of claim 8 further comprising a metal oxide.~~ for an electric energy-generating or -storing device, comprising: a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and a metal oxide.

13-22. (Cancelled)

23. (Withdrawn) The electrode of claim 1, wherein the electric energy-generating or -storing device is a capacitor.

24. (Withdrawn) The electrode of claim 1, wherein the electric energy-generating or -storing device is a fuel cell.

25. (Cancelled)

26. (Currently Amended) ~~The~~ An electrode for an electric energy-generating or -storing device comprising: of claim 1, wherein the carbonyl aromatic polymer is poly(cyclopenta[def]fluorene-4,8-dione).

27. (Currently Amended) ~~The An electrode for an electric energy-generating or -storing device, comprising: of claim 1, wherein the carbonyl aromatic polymer is~~
poly(benzo[*b*]fluorene-11-one).

28. (Currently Amended) ~~The An electrode for an electric energy-generating or -storing device, comprising: of claim 1, wherein the carbonyl aromatic polymer is~~
poly(dibenzo[*b,h*]fluorene-12-one).

29. (Currently Amended) ~~The An electrode of claim 1, wherein the carbonyl aromatic polymer is~~
for an electric energy-generating or -storing device, comprising:
poly(cyclopenta[*def*]phenanthren-4-one).

30. (Currently Amended) ~~The An electrode of claim 1, wherein the carbonyl aromatic polymer is~~
for an electric energy-generating or -storing device, comprising: poly(8H-
cyclopenta[*def*]fluorene-4-one).

31. (Currently Amended) ~~The An electrode of claim 1, wherein the carbonyl aromatic polymer is~~
for an electric energy-generating or -storing device, comprising: poly(indeno[1,2-
b]fluorene-6,12-dione).

32-34. (Cancelled)

35. (Currently Amended) ~~The An electric energy-generating or -storing device of claim 32,~~
further comprising: at least one electrode, the electrode comprising a carbonyl aromatic polymer
having at least one unit that contains at least one cyclopentanone structure condensed with at
least two aromatic rings and a metal oxide added to the carbonyl aromatic polymer. -a metal
oxide added to the carbonyl aromatic polymer.

36-37 (Cancelled)

38. (Currently Amended) ~~The electric energy-generating or -storing device of claim 37, wherein the battery is a secondary battery.~~ A secondary battery comprising: at least one electrode, the electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

39. (Withdrawn) The electric energy-generating or -storing device of claim 32, wherein the electric energy-generating or -storing device is a capacitor.

40. (Withdrawn) The electric energy-generating or -storing device of claim 32, wherein the electric energy-generating or -storing device is a fuel cell.

41-44. (Cancelled)

45. (Currently Amended) ~~The~~ An ~~electric energy-generating or -storing device comprising:~~ a first electrode, the first electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings; and a second electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings ~~and wherein at least one of the two electrodes further comprises a metal oxide. of claim 41,~~ ~~wherein at least one of the two electrodes further comprises a metal oxide.~~

46-47. (Cancelled)

48. (Currently Amended) ~~The electric energy-generating or -storing device of claim 47,~~

~~wherein the battery is a secondary battery.~~ A secondary battery having a first electrode, the first electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings; and a second electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and wherein at least one of the two electrodes further comprises a metal oxide.

49. (Withdrawn) The electric energy-generating or -storing device of claim 41, wherein the electric energy-generating or -storing device is a capacitor.

50. (Withdrawn) The electric energy-generating or -storing device of claim 41, wherein the electric energy-generating or -storing device is a fuel cell.

51. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

52. (Original) The battery of claim 51, wherein the battery is a secondary battery.

53. (Original) The battery of claim 51, wherein the positive electrode is doped with an anion.

54. (Original) The battery of claim 51, wherein the positive electrode is doped with a cation.

55. (Original) The battery of claim 51, wherein the positive electrode further comprises a current collector.

56. (Original) The battery of claim 51, wherein the positive electrode further comprises an

electroconductive agent.

57. (Original) The battery of claim 51, wherein the positive electrode further comprises a second electroconductive polymer.

58. (Original) The battery of claim 51, wherein the positive electrode further comprises a metal oxide.

59. (Original) The battery of claim 51, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

60. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

61. (Original) The battery of claim 60, wherein the battery is a secondary battery.

62. (Original) The battery of claim 60, wherein the negative electrode is doped with an anion.

63. (Original) The battery of claim 60, wherein the negative electrode is doped with a cation.

64. (Original) The battery of claim 60, wherein the negative electrode further comprises a current collector.

65. (Original) The battery of claim 60, wherein the negative electrode further comprises an

electroconductive agent.

66. (Original) The battery of claim 60, wherein the negative electrode further comprises a second electroconductive polymer.

67. (Original) The battery of claim 60, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

68. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

69. (Original) The battery of claim 68, wherein the battery is a secondary battery.

70. (Original) The battery of claim 68, wherein the negative electrode is doped with an anion.

71. (Original) The battery of claim 68, wherein the negative electrode is doped with a cation.

72. (Original) The battery of claim 68, wherein the positive electrode is doped with an anion.

73. (Original) The battery of claim 68, wherein the positive electrode is doped with a cation.

74. (Original) The battery of claim 68, wherein the positive electrode is doped with an anion and the negative electrode is doped with a cation.

75. (Original) The battery of claim 68, wherein at least one of the positive or negative electrodes further comprises a current collector.
76. (Original) The battery of claim 68, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.
77. (Original) The battery of claim 68, wherein at least one of the positive or negative electrodes further comprises a second electroconductive polymer.
78. (Original) The battery of claim 68, wherein the positive electrode further comprises a metal oxide.
79. (Original) The battery of claim 68, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.
80. (Withdrawn) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.
81. (Withdrawn) The capacitor of claim 80, wherein the positive electrode further comprises a current collector.
82. (Withdrawn) The capacitor of claim 80, wherein the positive electrode further comprises an electroconductive agent.

83. (Withdrawn) The capacitor of claim 80, wherein the positive electrode further comprises a second electroconductive polymer.

84. (Withdrawn) The capacitor of claim 80, wherein the positive electrode further comprises a metal oxide.

85. (Withdrawn) The capacitor of claim 80, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

86. (Withdrawn) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

87. (Withdrawn) The capacitor of claim 86, wherein the negative electrode further comprises a current collector.

88. (Withdrawn) The capacitor of claim 86, wherein the negative electrode further comprises an electroconductive agent.

89. (Withdrawn) The capacitor of claim 86, wherein the negative electrode further comprises a second electroconductive polymer.

90. (Withdrawn) The capacitor of claim 86, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

91. (Withdrawn) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

92. (Withdrawn) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises a current collector.

93. (Withdrawn) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.

94. (Withdrawn) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises a second electroconductive polymer.

95. (Withdrawn) The capacitor of claim 91, wherein the positive electrode further comprises a metal oxide.

96. (Withdrawn) The capacitor of claim 91, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

97. (Withdrawn) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the air electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

98. (Withdrawn) The fuel cell of claim 97, wherein the air electrode further comprises an electroconductive agent.

99. (Withdrawn) The fuel cell of claim 97, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.
100. (Withdrawn) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the fuel electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.
101. (Withdrawn) The fuel cell of claim 100, wherein the fuel electrode further comprises an electroconductive agent.
102. (Withdrawn) The fuel cell of claim 100, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.
103. (Withdrawn) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the air electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the fuel electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.
104. (Withdrawn) The fuel cell of claim 103, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.
105. (Withdrawn) The fuel cell of claim 103, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.